

- NOTES:
1. ALL WIRES TO BE xxxV, xx*, xxx.
 2. OBSERVE DIRTY/CLEAN WIRING PRACTICES.
 3. Dx/Cx MARKERS INDICATE POTENTIAL ROUTING WIRING.
 4. ALL WIRES ARE #xx AWG, UNLESS OTHERWISE NOTED.
 5. ALL WIRES ARE xxx, UNLESS OTHERWISE NOTED.
 6. ALL GROUND WIRES ARE #xx AWG xxxxxxx, UNLESS OTHERWISE NOTED.

XXXXX_XXXX XXXXXX	SIMPLE SAFETY DUAL SAFETY GATE POWER DISTRIBUTION		DWG: XX DATE: 10-17-08
	DWT: 1 OF: XX	Dwg ID: EXAMPLE	Dwg REV: XX

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1011
Yfrom 135
1012
Yfrom 135
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Yfrom 134

1011 1012 1013

to 218
1013
to 218
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to 218
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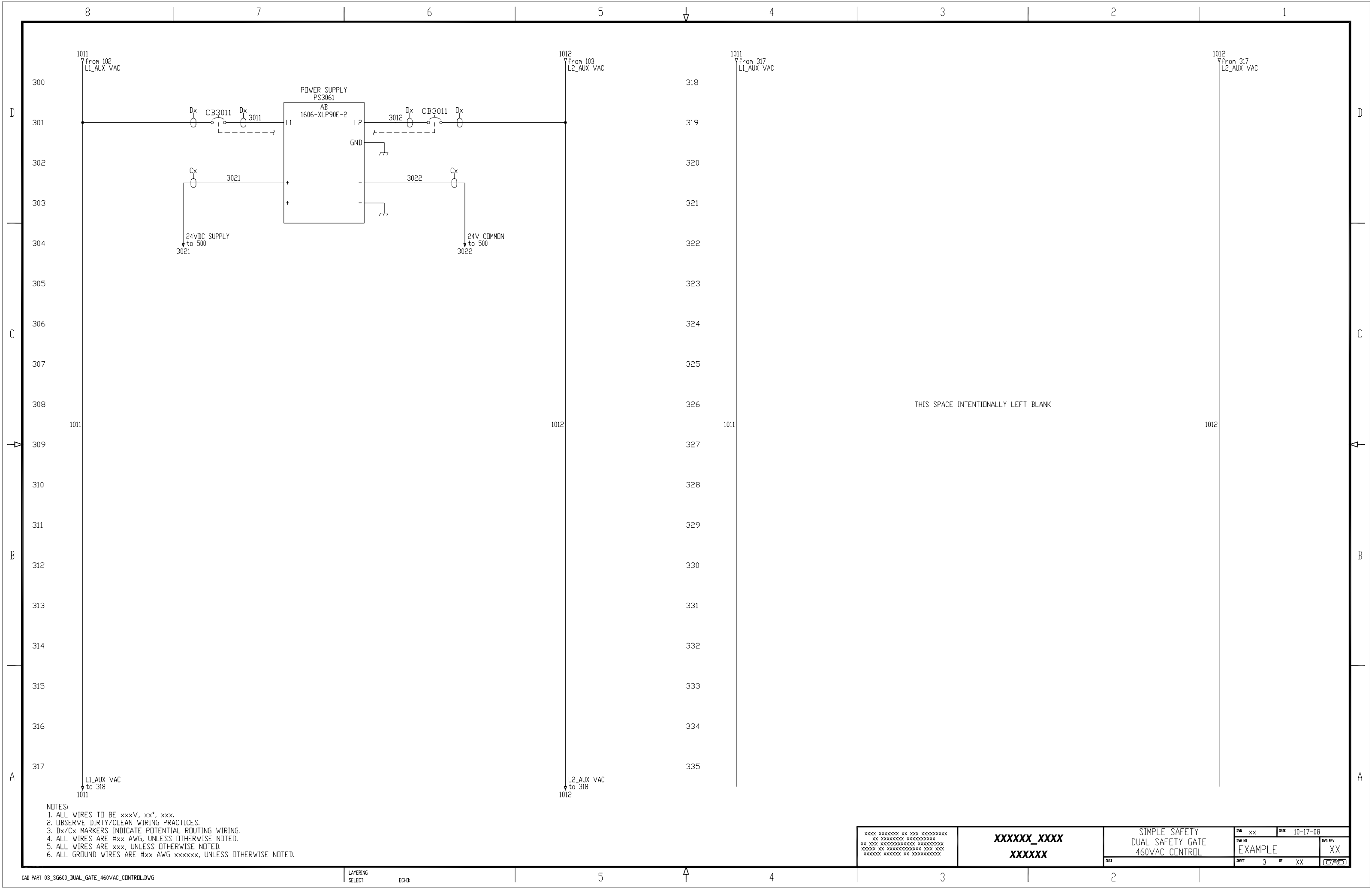
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		DWT	DWT 2	DWG REV EXAMPLE	DWG REV XX



- NOTES:
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XXXXX_XXXX XXXXXX	SIMPLE SAFETY DUAL SAFETY GATE 460VAC CONTROL	DWG XX DATE 10-17-08
	DWT SHEET 3 OF XX	DWT REV EXAMPLE XX

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from 105
VAC CONTROL

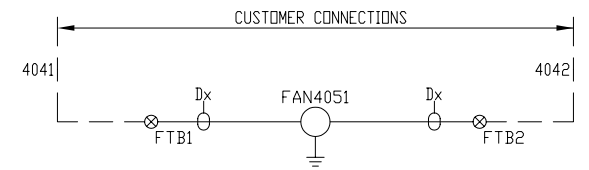
N
from 106
VAC NEUTRAL

1013
from 417
VAC CONTROL

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VAC NEUTRAL

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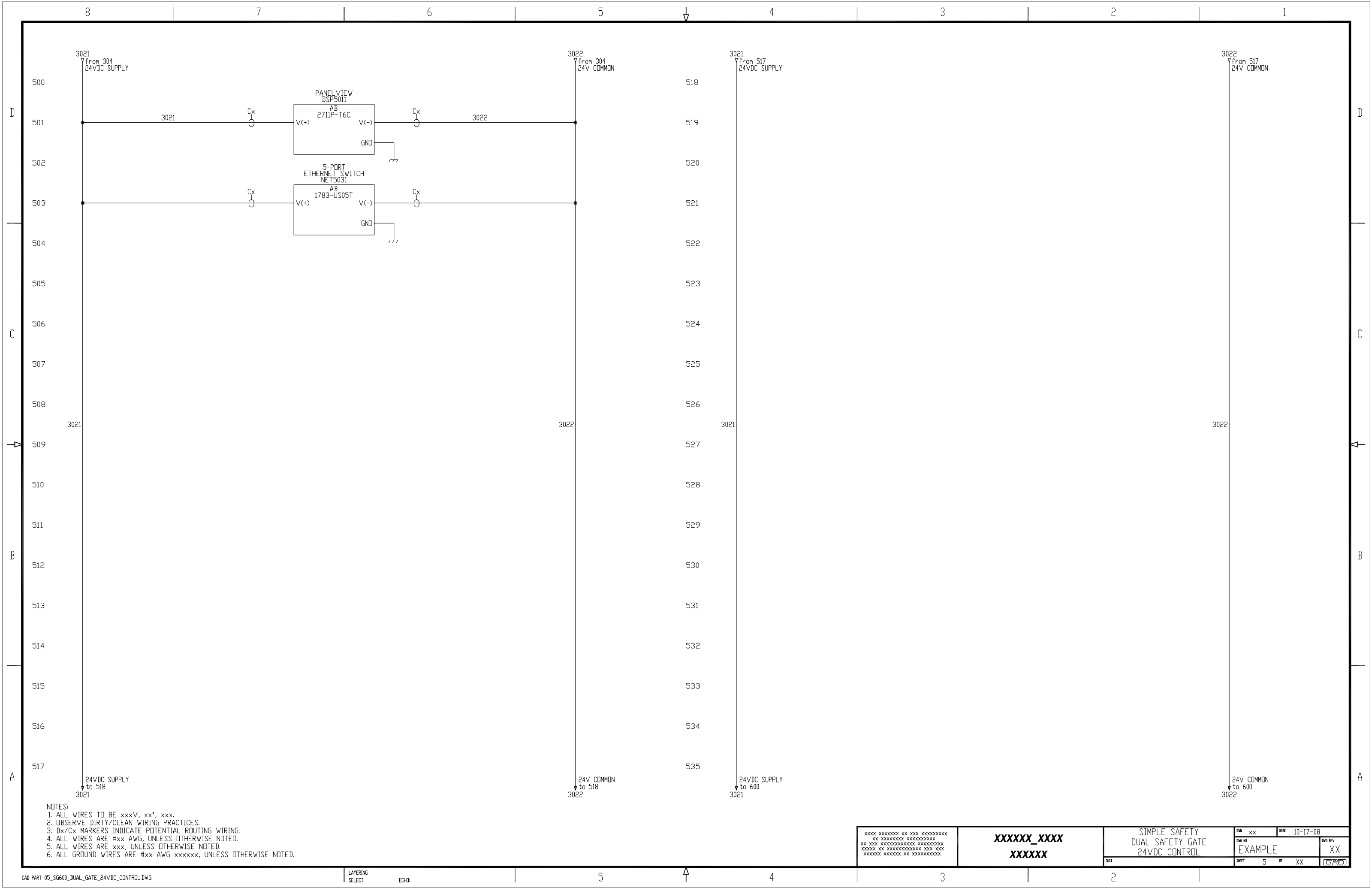
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VAC CONTROL
to 418
1013

VAC NEUTRAL
to 418
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- NOTES:
1. ALL WIRES TO BE xxxV, xx*, xxx.
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XXXXX_XXXX XXXXXX	SIMPLE SAFETY DUAL SAFETY GATE AUX VAC CONTROL		DWG NO EXAMPLE	DATE 10-17-08	DWG REV XX
			SHEET 4	OF XX	(C/A/C)



- NOTES:
1. ALL WIRES TO BE xxxV, xx*, xxx.
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XXXXX_XXXX XXXXX	SIMPLE SAFETY DUAL SAFETY GATE 24VDC CONTROL		DWG NO EXAMPLE	DATE 10-17-08	DWG REV XX
			SHEET 5	OF XX	(PAC)

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3021
from 535
24VDC SUPPLY

3022
from 535
24V COMMON

3021
from 617
24VDC SUPPLY

3022
from 617
24V COMMON

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24VDC SUPPLY
to 618
3021

24V COMMON
to 618
3022

24VDC SUPPLY
to 700
3021

24V COMMON
to 700
3022

- NOTES:
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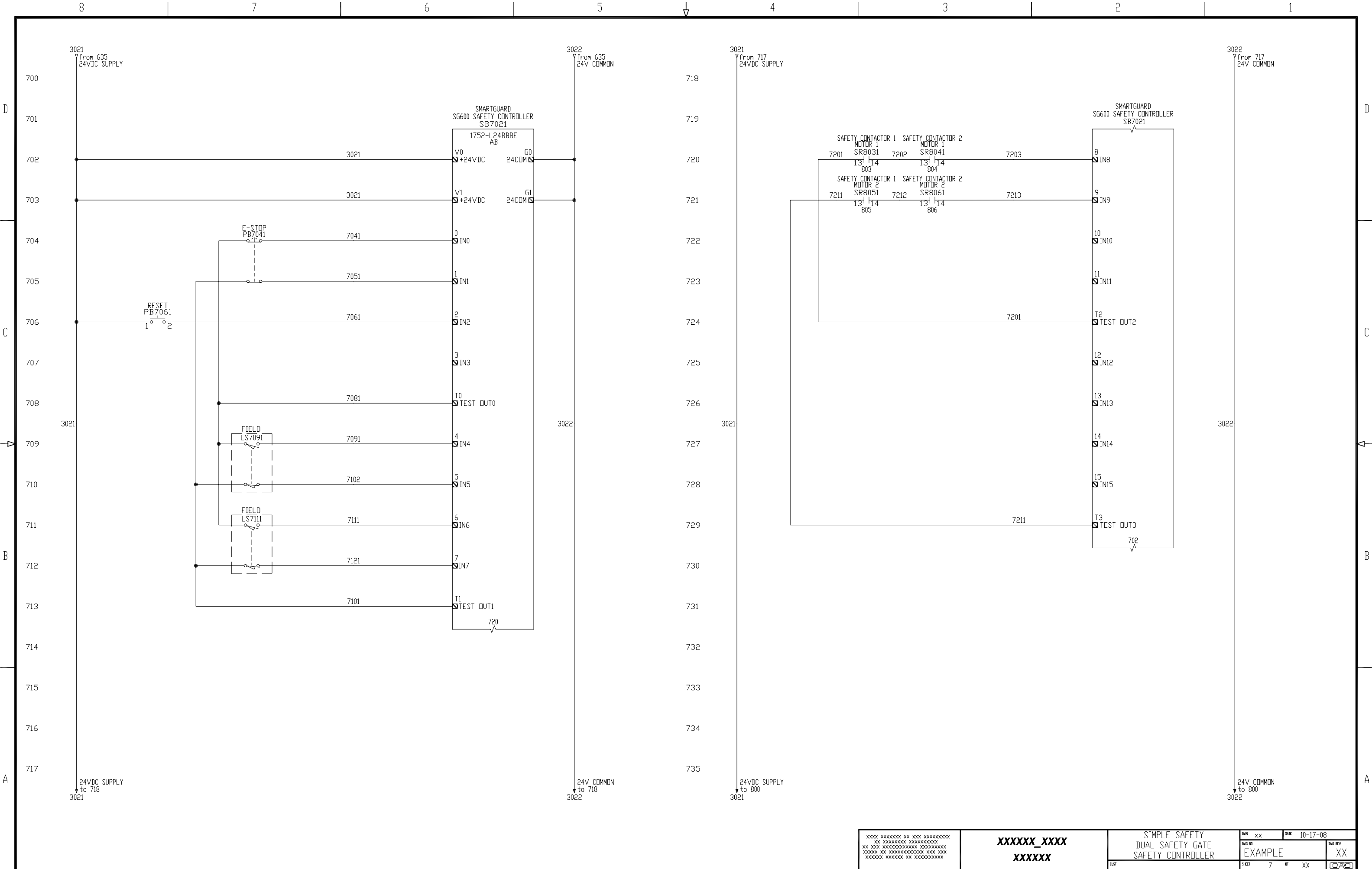
XXXXXX_XXXX XXXXXX	SIMPLE SAFETY DUAL SAFETY GATE SAFETY SPARE		DWG XX	DATE 10-17-08
	DWT 6 OF XX		DWG REV EXAMPLE	DWG REV XX

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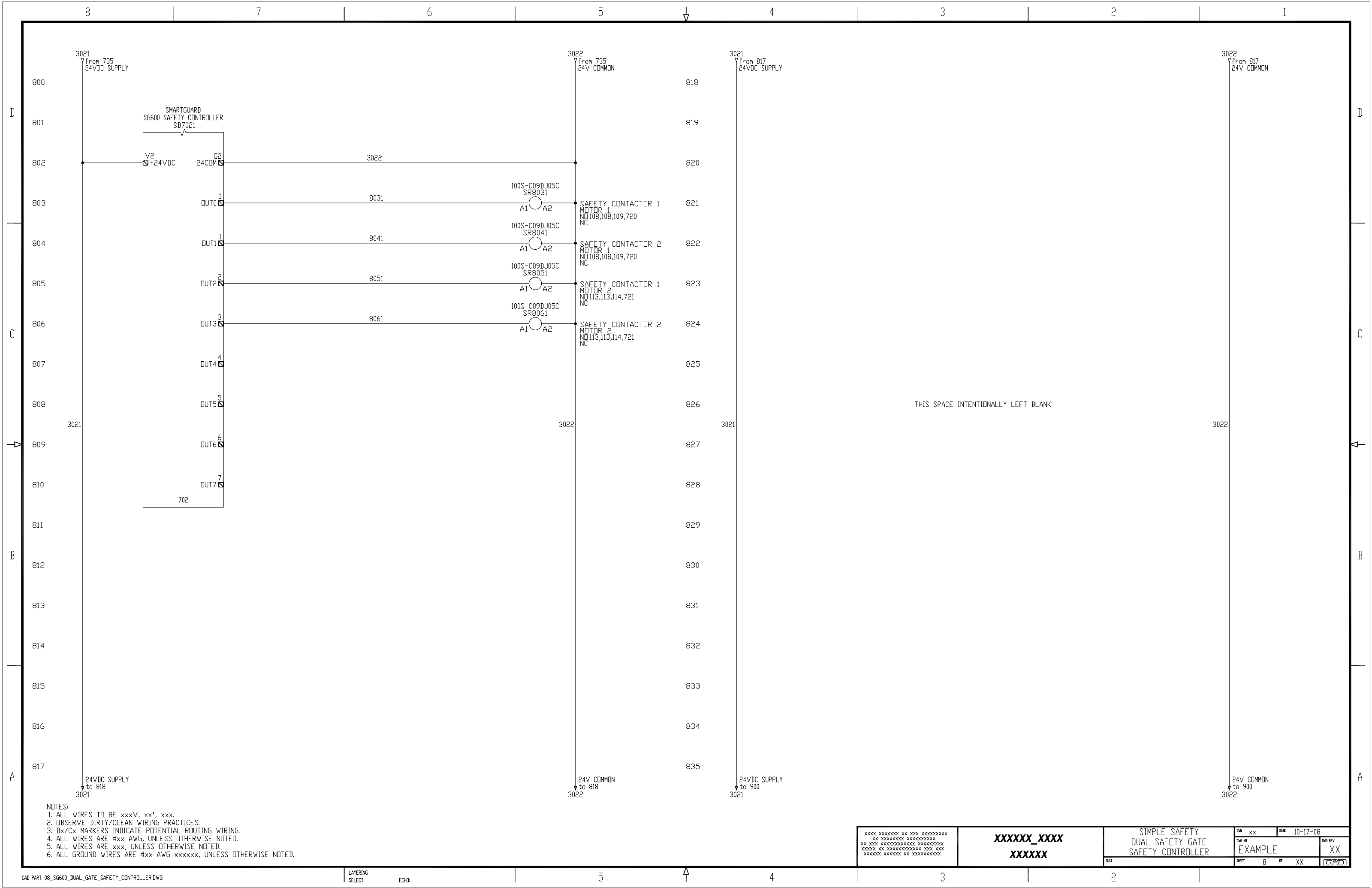
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			SHEET 8	OF XX	(PAC)

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3021
from 835
24VDC SUPPLY

3022
from 835
24V COMMON

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from 917
24VDC SUPPLY

3022
from 917
24V COMMON

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24VDC SUPPLY
to 918
3021

24V COMMON
to 918
3022

24VDC SUPPLY
to 1000
3021

24V COMMON
to 1000
3022

- NOTES:
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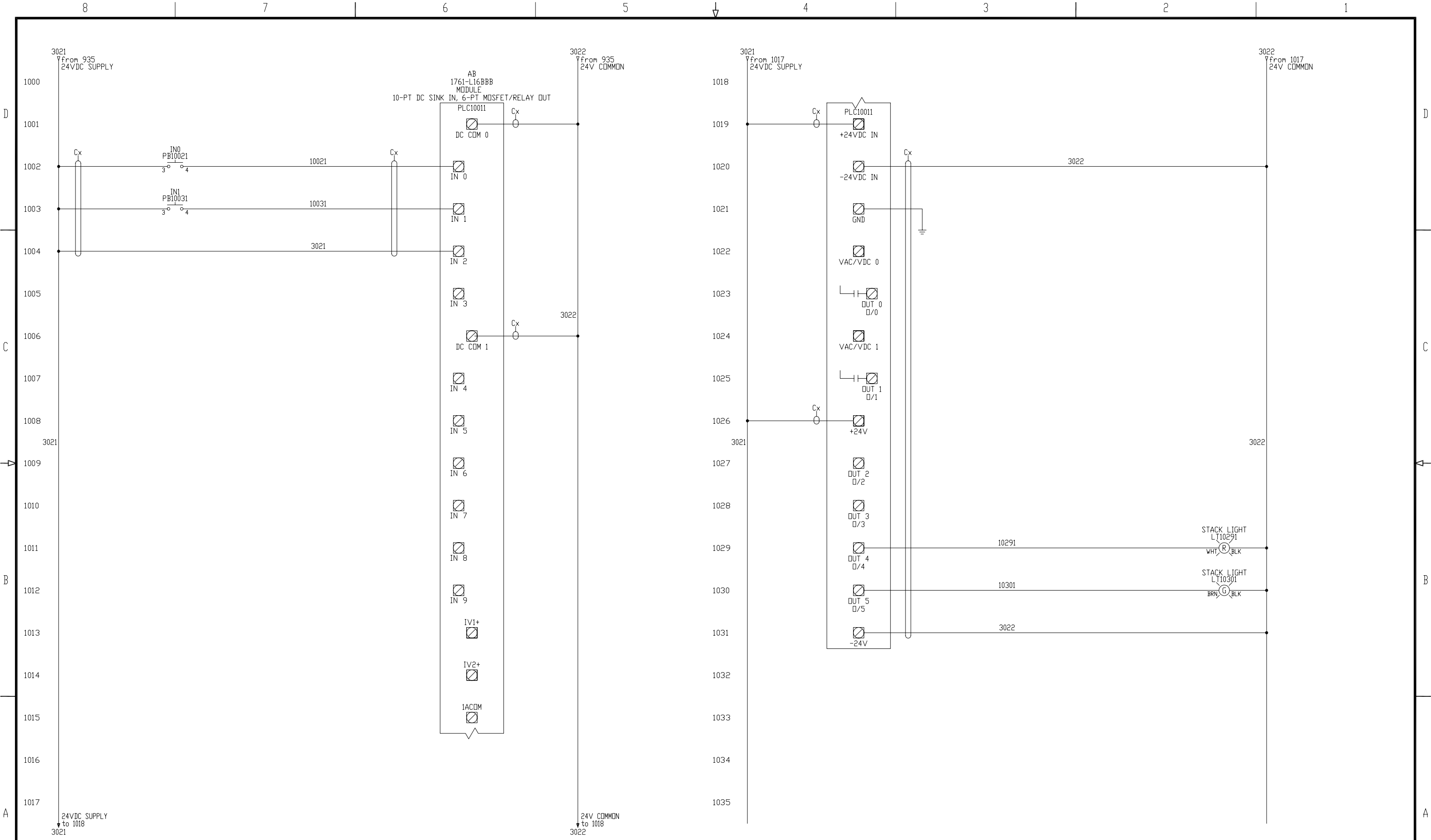
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		DWT	DWT 9 IF XX	Dwg REV XX

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- NOTES:
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XXXX XXXXXXXX XX XXX XXXXXXXXXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXX XX XXXXXXXXXXXXXXXX XXX XXX XXXXXXXX XXXXXXXX XX XXXXXXXXXXXX	XXXXXX_XXXX XXXXXX	SIMPLE SAFETY DUAL SAFETY GATE MICROLOGIX PLC I/O	DWG XX DATE 10-17-08 EXAMPLE XX	DWG REV XX
			SHEET 10 OF XX	

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SIMPLE SAFETY
DUAL SAFETY GATE
PLC I/O SPARE

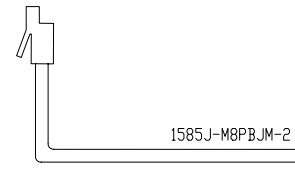
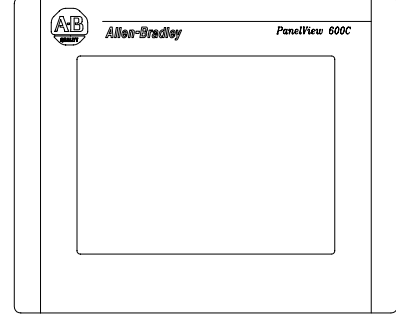
DWG XX DATE 10-17-08

DWG REV
EXAMPLE XX

SHEET 11 OF XX

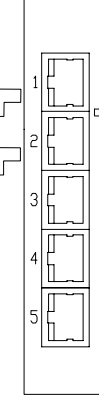
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HMI PANELVIEW 600C
2711C-T6C



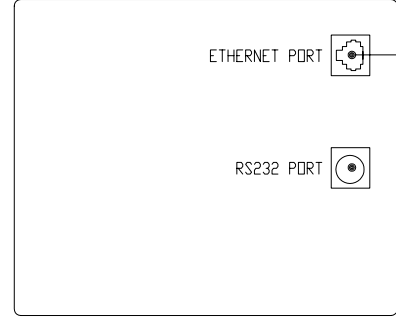
1585J-M8PBJM-2

5PORT ETHERNET
SWITCH
1783-US05T



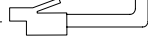
2711P-CBL-EX04

MICROLOGIX 1100
1763-L16BBB



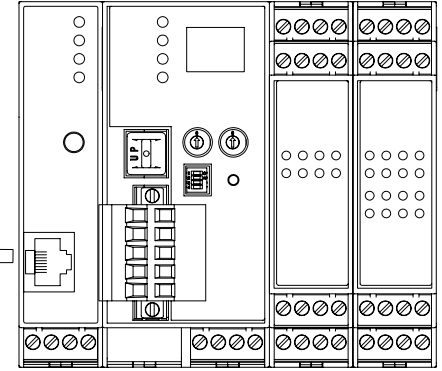
ETHERNET PORT

RS232 PORT



1585J-M8PBJM-2

SMARTGUARD 600 w/ETHERNET
1752-L24BBBE

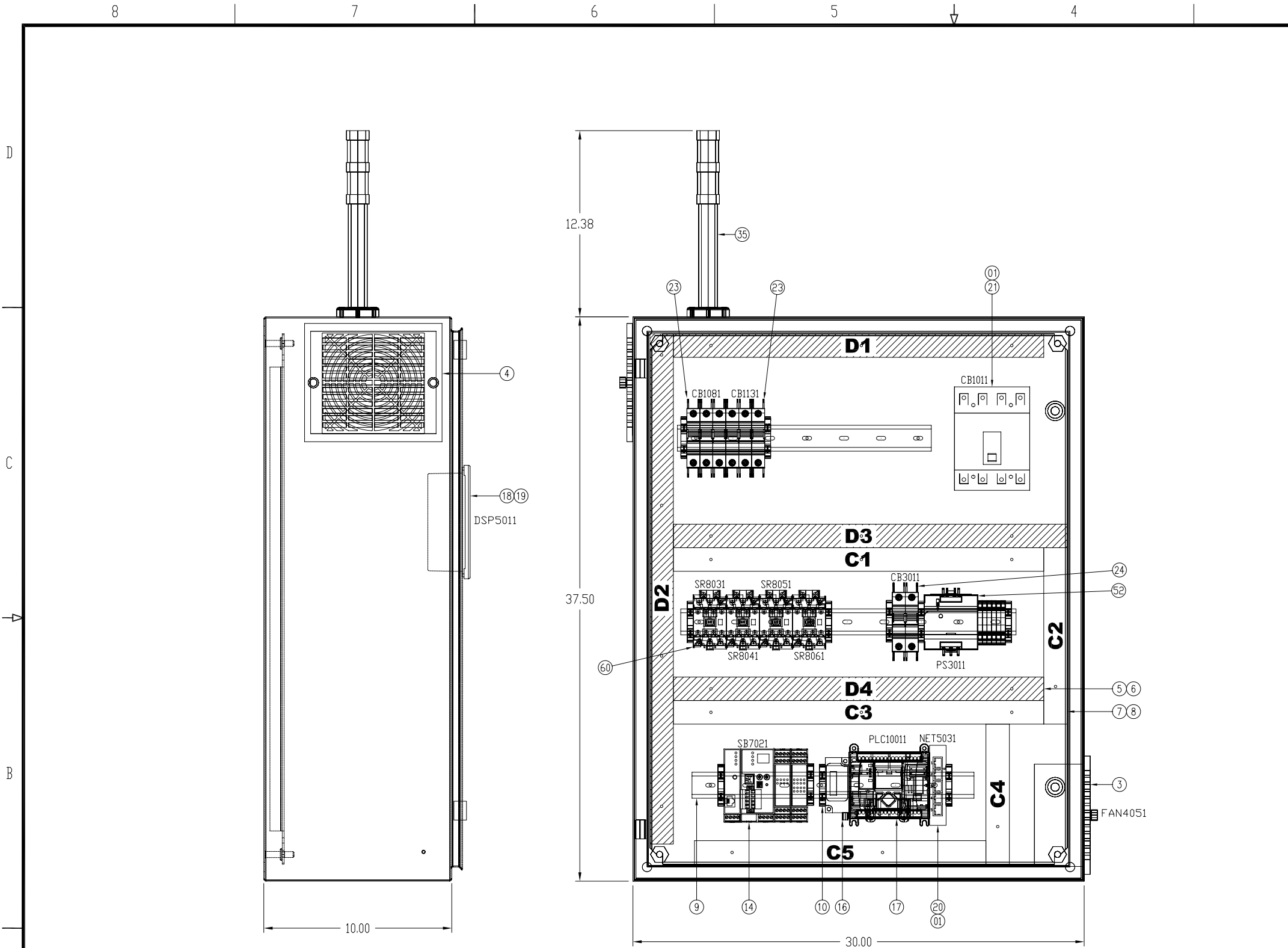


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SIMPLE SAFETY
DUAL SAFETY GATE
COMMUNICATION DIAGRAM

DWG	XX	DATE	10-17-08
DWG NO	EXAMPLE	DWG REV	XX
SHEET	12	OF	XX



ITEM	QTY	DESCRIPTION	MFG	CATALOG
1	1	NEMA1 ENCLOSURE 30"x24"x10"	HOFFMAN	CSD302410
2	1	PANEL FOR ENCLOSURE 21"x22.5"	HOFFMAN	CP3024
3	1	FAN KIT 115VAC WITH FILTER	HOFFMAN	TFP41
4	1	EXHAUST GRILL WITH FILTER	HOFFMAN	TEP4
5	-	PANDUIT WIRE DUCT, 1"x4" GRAY	PANDUIT	F1X4LG6
6	-	PANDUIT WIRE DUCT COVER, 1" GRAY	PANDUIT	C1LG6
7	-	PANDUIT WIRE DUCT, 1" X4" WHITE	PANDUIT	F1X4WH6
8	-	PANDUIT WIRE DUCT COVER, 1" WHITE	PANDUIT	C1WH6
9	-	35MM DIN RAIL	AB	199-DR1
10	9	END ANCHOR USED W/STANDARD 35MM DIN	AB	1492-EAJ35
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	1	SMARTGUARD 600 SMALL SAFETY CONTROLLER w/ETHERNET	AB	1752-L24BBB
CONTROL AND VISUALIZATION EQUIPMENT				
15	1	1763 MICROLOGIX 1100 SYSTEM GROUP SELECTION		
16	1	CABLE: MICROLOGIX 1100 CHANNEL 0 TO RS-485	AB	1763-NC01
17	1	MICROLOGIX 1100, 24V DC POWER	AB	1763-L16BBB
18	1	6" COLOR (TRANSMISSIVE CSTN) TOUCHSCREEN	AB	2711C-T6C
19	2	1585 ETHERNET CABLE, TEAL RISER PVC, 2 METER	AB	1585J-M8PBJM-2
20	1	STRATIX 2000 SWITCH, UNMANAGED, 5 COPPER PORTS	AB	1783-US05T
POWER CIRCUIT COMPONENTS				
380 VAC - 480 VAC, 4 POLE C.B. DISCONNECT OPTION				
21	1	IEC MOLDED CASE C.B., 160A, H-FRAME, RATED 32A	AB	140UE-H2E4-C32
22	1	ROTARY, VARIABLE-DEPTH OPERATING MECHANISM	AB	140U-H-RVM12R
23	2	UL489/CSA 22.2 NO 5.1 CIRCUIT BREAKER, 3 POLE, 7 AMP	AB	1489-A3C070
24	1	UL489/CSA 22.2 NO 5.1 CIRCUIT BREAKER, 2 POLE 10 AMP	AB	1489-A2D100
380/400 VAC, 3 POLE FUSED DISCONNECT OPTION				
25	1	194R DISCONNECT, OPEN STYLE, DIN, 32A, 3 POLE	AB	194R-D32-1753
26	1	OPERATING HANDLE, WITH DEFEATER, RED/YELLOW	AB	194R-HS4E
27	1	OPERATING SHAFT, STANDARD LENGTH, 263MM (10.3 IN.)	AB	194R-R1
28	1	UL489/CSA 22.2 NO 5.1 CIRCUIT BREAKER, 3 POLE, 7 AMP	AB	1489-A3C070
29	1	UL489/CSA 22.2 NO 5.1 CIRCUIT BREAKER, 2 POLE, 10 AMP	AB	1489-A2D100
480 VAC, 3 POLE FUSED DISCONNECT OPTION				
30	1	194R DISCONNECT, OPEN STYLE, 30A, 3 POLE	AB	194R-C30-1753
31	1	OPERATING HANDLE, WITH DEFEATER, RED/YELLOW	AB	194R-HS4E
32	1	OPERATING SHAFT, STANDARD LENGTH, 263MM (10.3 IN.)	AB	194R-R1
33	1	UL489/CSA 22.2 NO 5.1 CIRCUIT BREAKER, 3 POLE, 7 AMP	AB	1489-A3C070
34	1	UL489/CSA 22.2 NO 5.1 CIRCUIT BREAKER, 2 POLE, 10 AMP	AB	1489-A2D100
SENSORS/STACKLIGHTS				
35	1	COMPACT TOWER LIGHT, 30 MM, GRN, RED LED	AB	855D-P25SC20G24Y3Y4
36	1	PHOTOSWITCH PHOTOELECTRIC SENSOR, RIGHTSIGHT	AB	42EF-P2MPB-F4
37	1	60-2695 BRACKET, (USE W/ 60-2439, 60-2649)	AB	60-2695
38	1	PATCHCORD: DC MICRO (M12), FEMALE, STRAIGHT, 4-PIN	AB	889D-F4ACDM-2
39	1	RECEPTACLE, DC MICRO (M12), FEMALE, STRAIGHT, 4-PIN	AB	888D-F4AC1-1
PUSHBUTTONS				
40	1	800F 3 POSITION S.S. - PLASTIC, MAINTAINED, BLACK	AB	800FP-SM32
41	1	800F LEGEND PLATE, ENGLISH: AUTO - OFF - HAND	AB	800F-11WE104
42	2	22.5MM PB NO LATCH, SCREW CONTACT BLOCK, 1 N.O.	AB	800F-X10
43	1	PLASTIC LATCH	AB	800F-ALP
44	1	800F PUSH BUTTON - PLASTIC, FLUSH, GREEN, 1	AB	800FP-F306
45	1	PLASTIC LATCH	AB	800F-ALP
46	1	22.5MM PB NO LATCH, SCREW CONTACT BLOCK, 1 N.O.	AB	800F-X10
47	1	800F PUSH BUTTON - PLASTIC, EXTENDED, RED, 0	AB	800FP-E405
48	1	PLASTIC LATCH	AB	800F-ALP
49	1	22.5MM PB NO LATCH, SCREW CONTACT BLOCK, 1 N.O.	AB	800F-X10
PROGRAMMING SOFTWARE				
50	1	RSNETWORX FOR DEVICENET	AB	9357-DNETL3
51	1	RSLOGIX MICRO STARTER (ENGLISH) CD-ROM	AB	9324-RLM0100ENE

NOTES:
 1. WIREWAYS MARKED Cx/Dx INDICATE CLEAN/DIRTY SIGNAL/POWER
 2. FOR FURTHER INFORMATION ON SYSTEM DESIGN FOR CONTROL OF ELECTRICAL NOISE SEE ROCKWELL PUBLICATION #GMC RM001-EN-P

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SIMPLE SAFETY
 DUAL SAFETY GATE
 PANEL LAYOUT

DWG NO	DATE	REV
EXAMPLE	10-17-08	XX
SHEET	OF	
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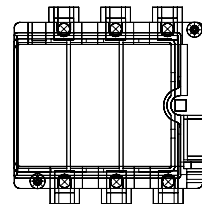
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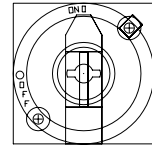
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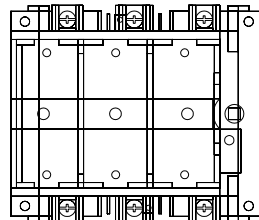
ADDITIONAL PARTS LIST



30 30A FUSED DISCONNECT



22 ROTARY VARIABLE DEPTH MECHANISM



25 60A FUSED DISCONNECT

CONTROL CIRCUIT COMPONENTS				
52	1	1606-XLP90E-2: COMPACT PWS, 24-28V, 90 W, 480VAC	AB	1606-XLP90E-2
53	1	800F NON-ILLUMINATED MUSHROOM OPERATORS, RED	AB	800FP-MT44
54	1	PLASTIC LATCH	AB	800F-ALP
55	2	22.5MM PB NO LATCH, SCREW CONTACT BLOCK, 1 N.C.	AB	800F-X01
E-STOP PUSHBUTTON				
56	1	800F NON-ILLUMINATED MUSHROOM, TWIST TO RELEASE	AB	800FP-MT44
57	1	PLASTIC LATCH	AB	800F-ALP
58	1	22.5MM PB NO LATCH, SCREW CONTACT BLOCK, 2 N.C.	AB	800F-X02D
DUAL ZONE SAFETY EQUIPMENT				
59	4	LARGE METAL ROLLER PLUNGER, 1 NO & 1 NC, 1/2IN NPT	AB	440P-MRPS11E
60	4	MCS 100S-C SAFETY CONTACTOR, 9A, 24V DC	AB	100S-C09DJ05C
61	1	800F NON-ILLUMINATED MUSHROOM OPERATORS	AB	800FM-MT44
62	1	800F RESET, ROUND METAL (TYPE 4/13, IP66)	AB	800FM-R611

XXXXX_XXXX XXXXXX	SIMPLE SAFETY DUAL SAFETY GATE ADDITIONAL PARTS	DWG NO EXAMPLE	DATE 11-07-08	DWG REV XX
	SHEET 14 OF XX			

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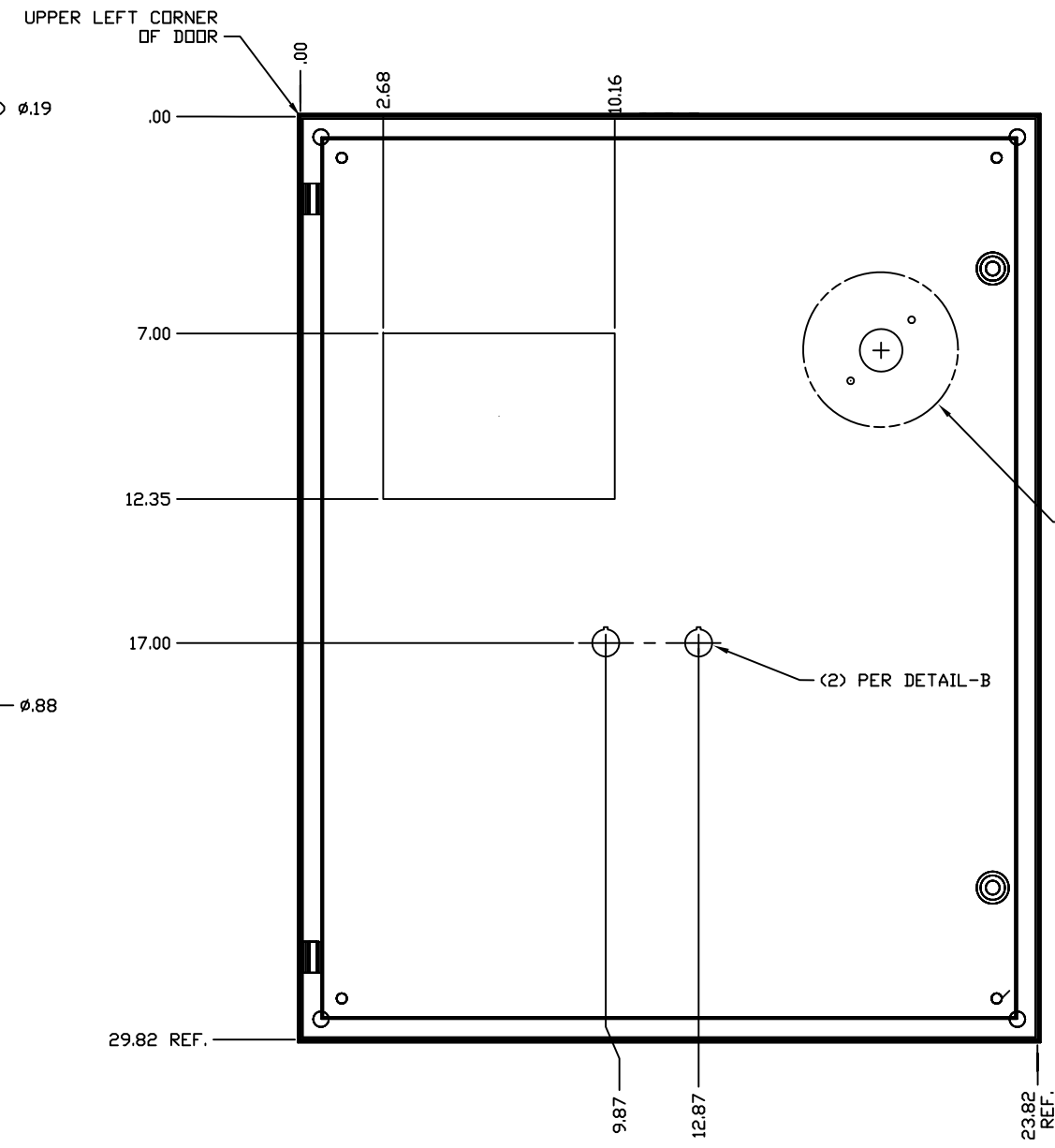
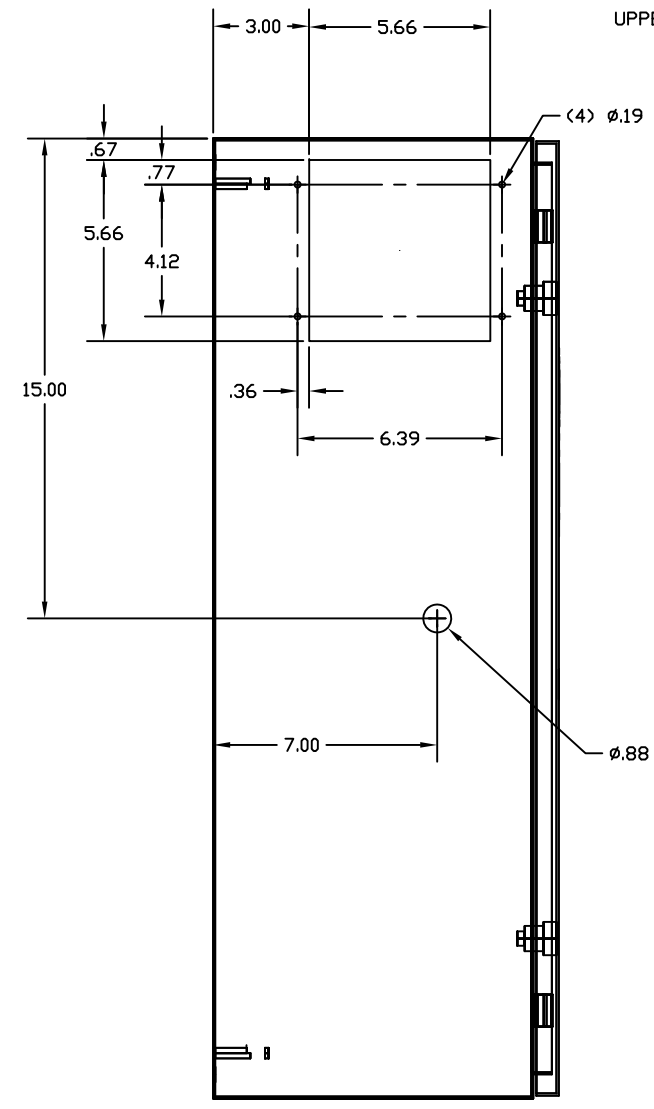
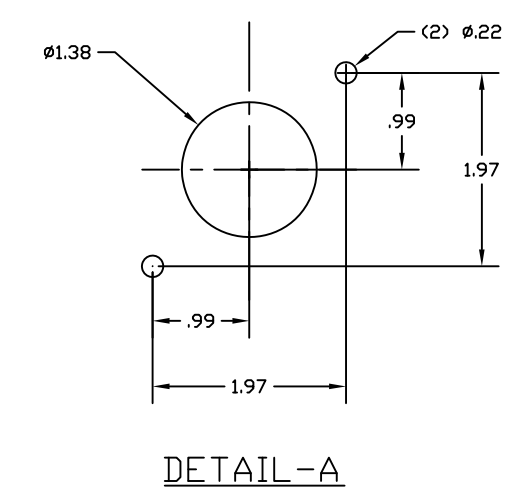
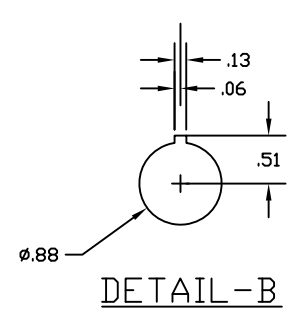
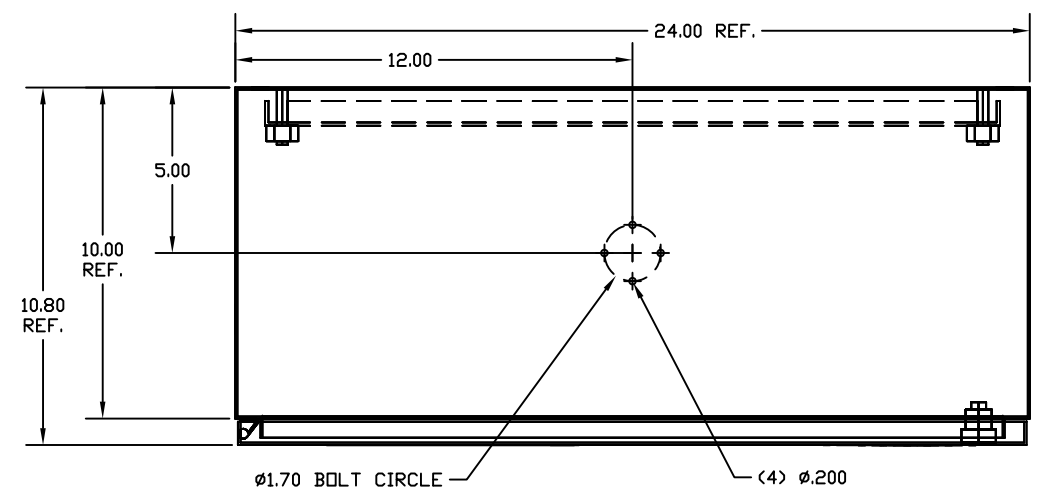
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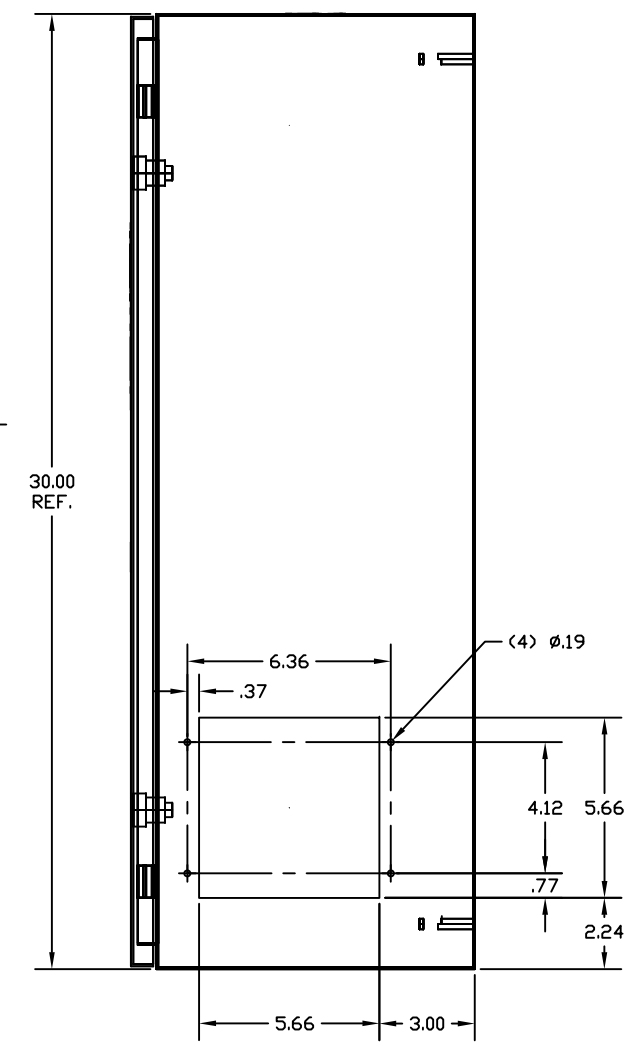
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PER DETAIL-A,
(SEE SHEET 2 FOR ALL
OPERATOR OPTION
LOCATIONS)



DOOR MODIFICATION

-01	1	HOFFMAN PART CSD302410	ANSI 61 GRAY
PART NO.	CHG. CHAR.	MATERIAL	SURFACE TREATMENT

LAYERING SELECT: ECHD

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